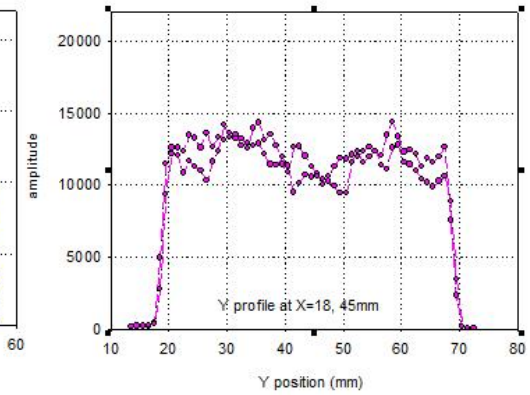
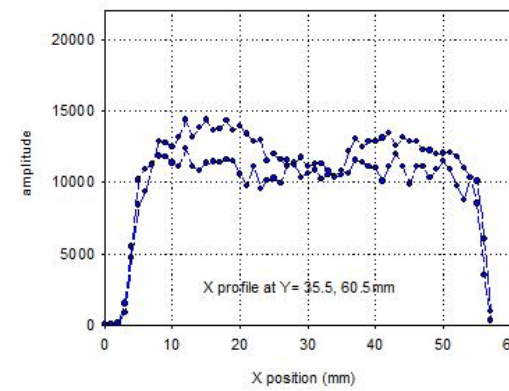


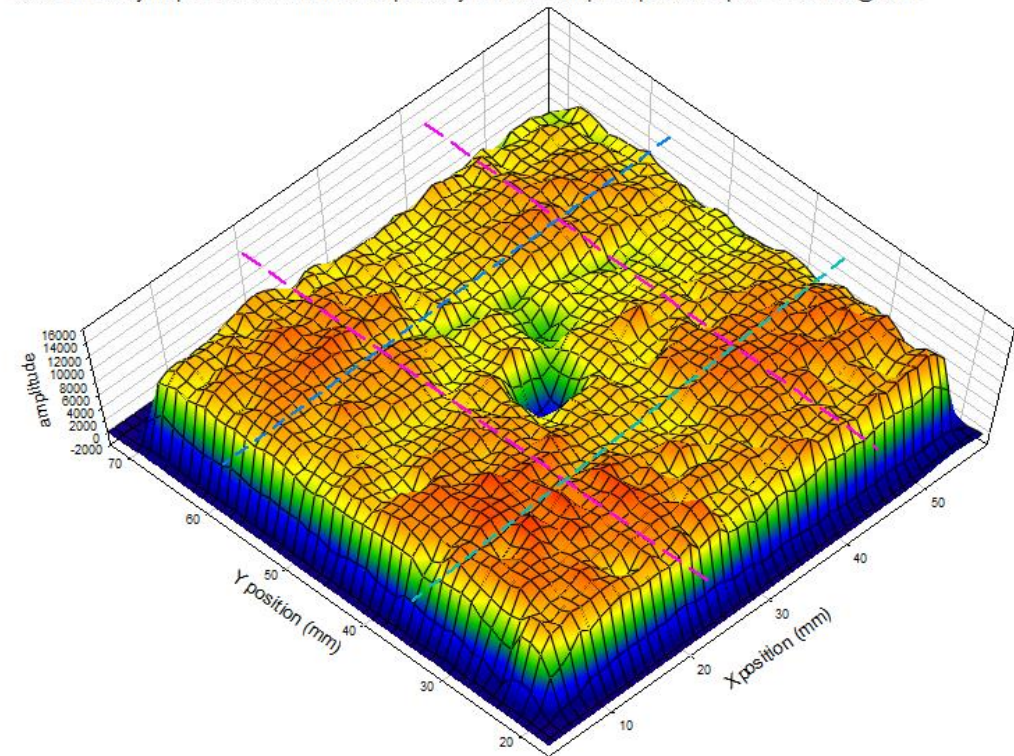


X-Y scan of blocks and light guides

Data from scan of production block  
Read out with quad lightguide and PMT

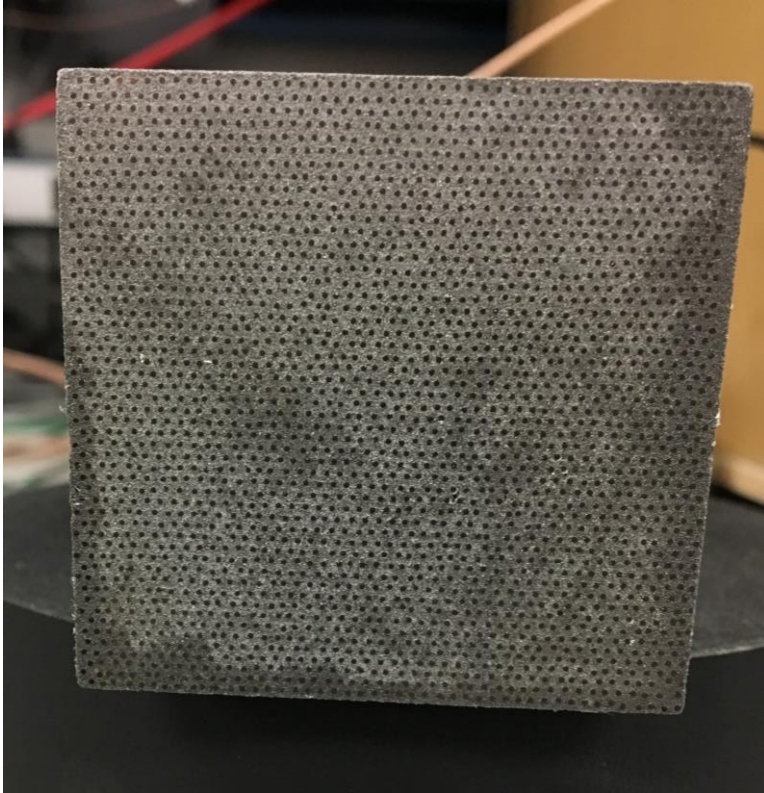


dec08 uniformity map of block 21-4 w/ molded quad acrylic LG on 7cm pmt. epoxied coupled. LED fiber @ 5mm



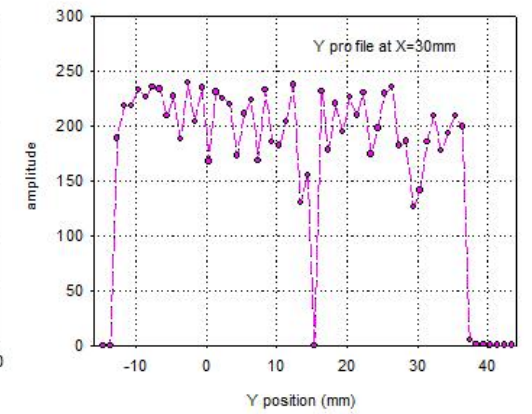
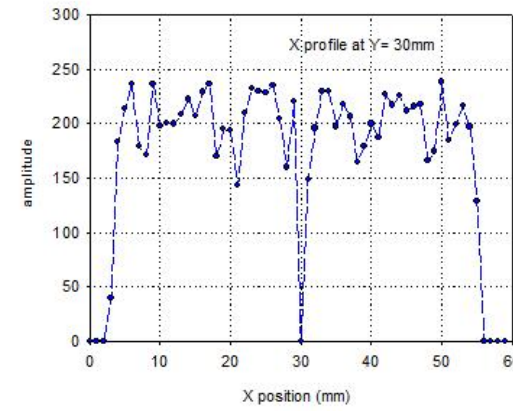


- X +

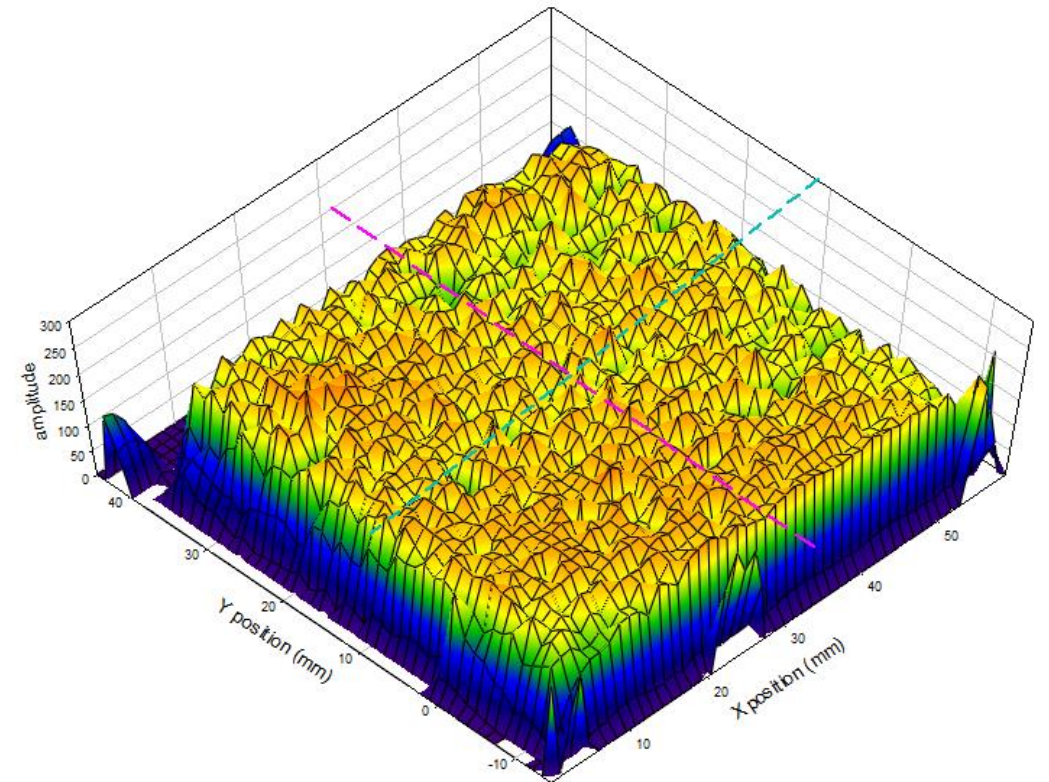


+ Y -

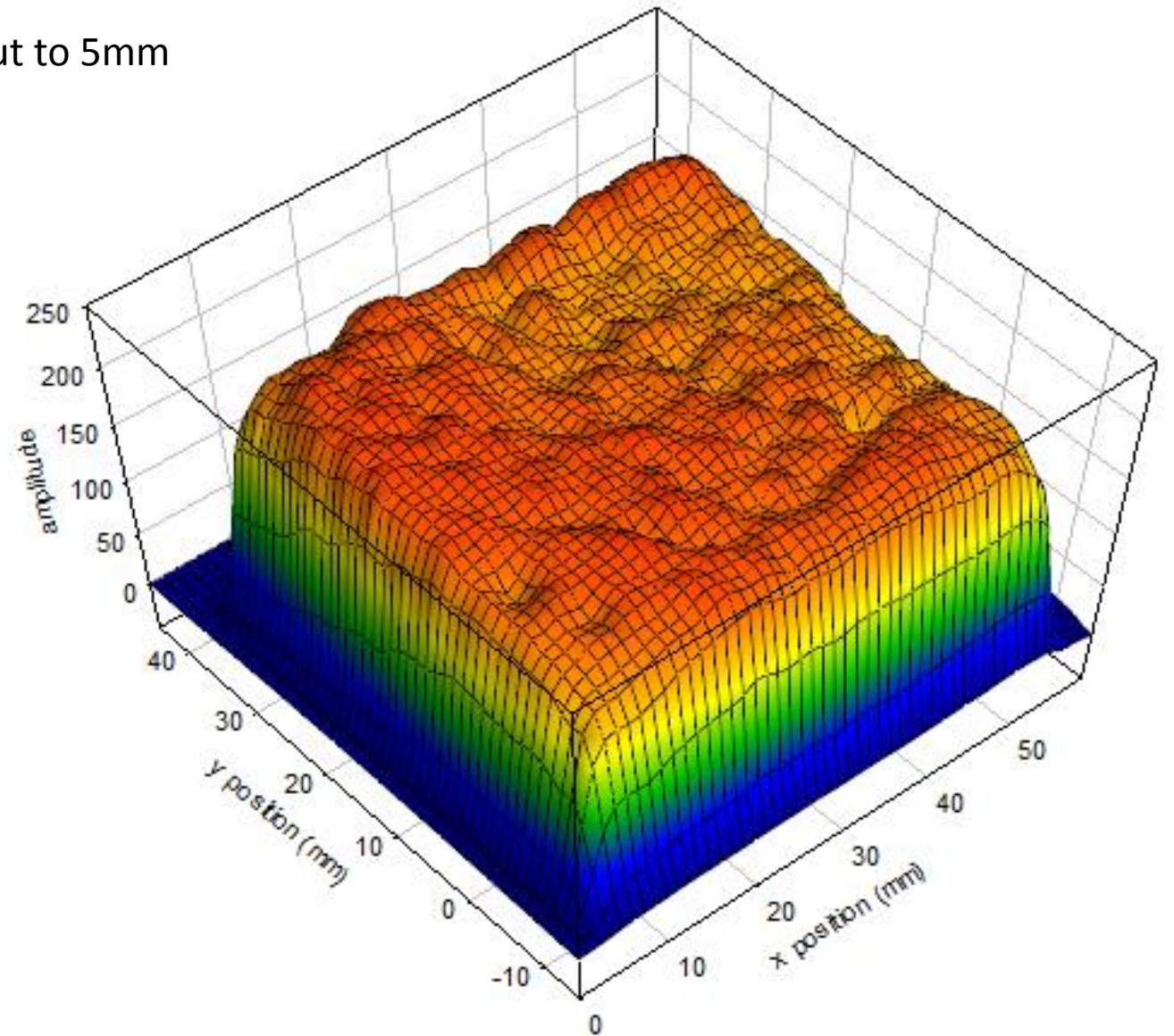
“collared” fiber block read out directly (no light guide)  
w/ pmt



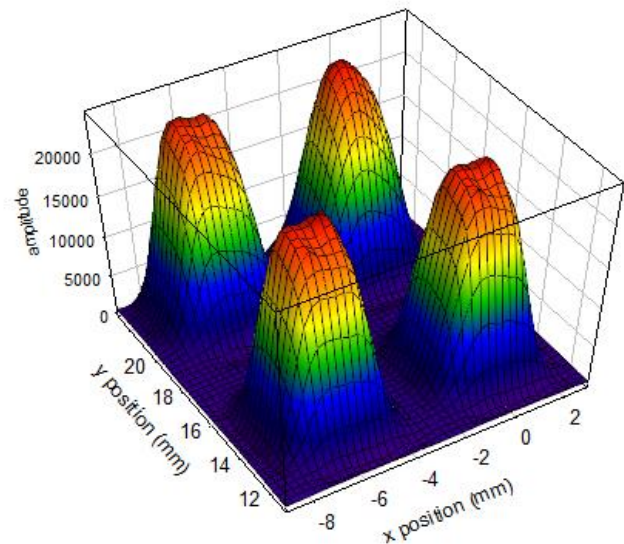
apr03 uniformity map of UI block w/fiber "collar" on 7cm pmt. RTVcoupled. LED fiber @ 1mm



Repeat previous measurement,  
But with scanning fiber moved out to 5mm

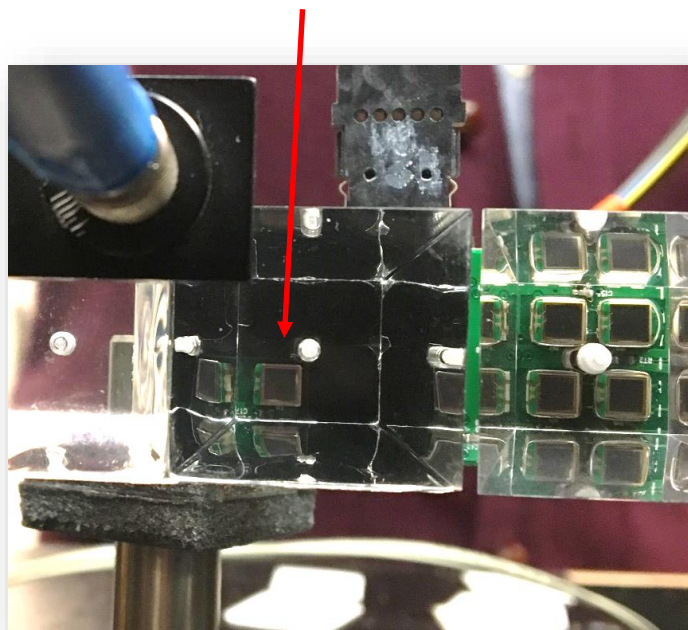
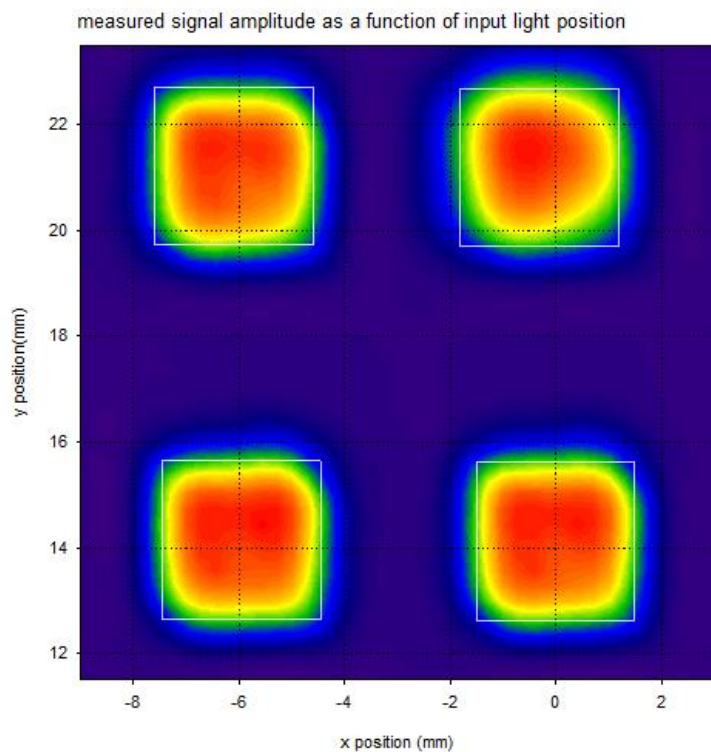
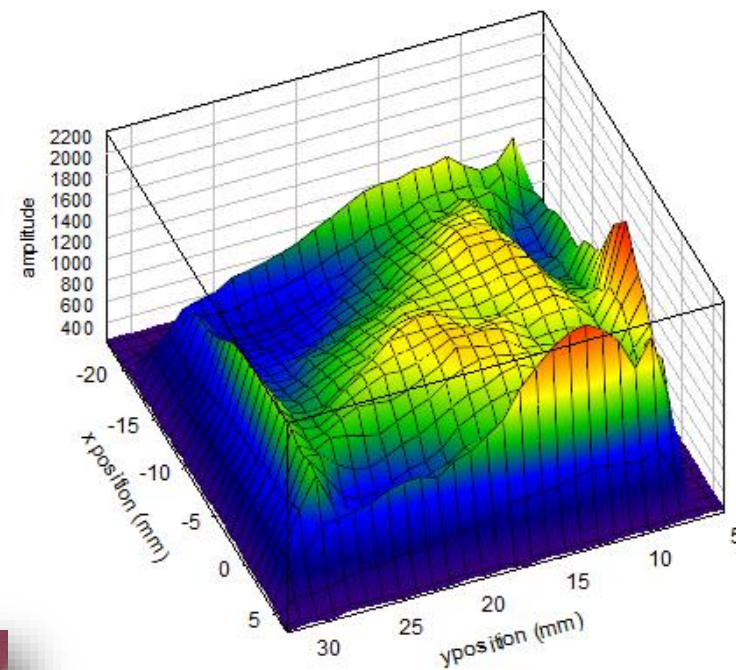




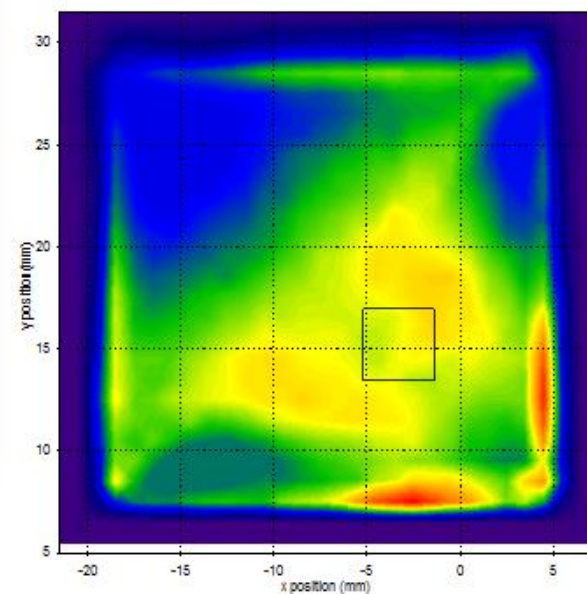


Position scan of 4 sipms  
On PCB (no lightguide)

Position scan of injection  
Molded lightguide – 3/4 sipms  
masked



measured signal amplitude as a function of input light position





Dan printed a solid version of his Winston cone-based lightguide design

We made a latex mold and made a couple of castings, but so far quality has not been good, so no optical measurements yet.

